

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A synthetic fiber rope assembly comprising:
at least two ropes each formed of synthetic fiber strands and extending generally parallel
in a lengthwise direction at a predetermined distance from each other;
a rope sheathing having a fixed link attached to said at least two ropes and fixing said at
least two ropes relative to each other in a firm torsional manner; and
at least one reinforcement element attached to said rope sheathing for mechanically
reinforcing said rope sheathing to improve a transverse resistance of said at least
two ropes.
2. (Original) The rope assembly according to claim 1 wherein said at least one
reinforcement element is an integral component of said rope sheathing.
3. (Original) The rope assembly according to claim 1 wherein said at least one
reinforcement element has an oblong shape and extends in a lengthwise direction along said rope
sheathing at said fixed link.
4. (Previously Presented) The rope assembly according to claim 1 wherein said at least
one reinforcement element extends around and envelopes said rope sheathing.
5. (Original) The rope assembly according to claim 4 wherein said at least one
reinforcement element is shaped as an elongated tube.
6. (Original) The rope assembly according to claim 4 wherein said at least one
reinforcement element overlaps itself in the lengthwise direction.
7. (Original) The rope assembly according to claim 1 wherein said at least one
reinforcement element is formed as a strip arranged at said fixed link.

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8. (Original) The rope assembly according to claim 1 wherein said at least one reinforcement element is formed from short pieces of fiber integrated into said rope sheathing.

9. (Previously Presented) The rope assembly according to claim 1 wherein said at least one reinforcement element comprises at least one of: a woven mat; a fiber mat; a meander-shaped hoop winding made of filaments; and a plaited filament arrangement, whereby the filaments of the filament arrangement are loosely or tightly interlaced with each other.

10. (Previously Presented) The rope assembly according to claim 1 wherein said at least one reinforcement element is one of: arranged in an interior of the rope assembly between fibers of said ropes and said rope sheathing; arranged as coating within said rope sheathing; and arranged on said outer surface the rope assembly.

11. (Original) The rope assembly according to claim 1 wherein said at least one reinforcement element is formed of one aramide, polyester, glass fibers and carbon fibers.

12. (Original) The rope assembly according to claim 1 wherein said at least one reinforcement element has a plurality of positive power transmission elements formed as one of: recesses formed therein for interaction with teeth of a toothed pulley; and teeth formed thereon for interaction with recesses of a disk.

13. (Currently Amended) A synthetic fiber twin rope assembly comprising:
two ropes each formed of a plurality of synthetic fiber strands and extending generally parallel in a lengthwise direction at a predetermined distance from each other;
a rope sheathing enclosing said ropes, said rope sheathing having a fixed link attached to said ropes and fixing said ropes relative to each other in a firm torsional manner, said ropes and said rope sheathing exhibiting a dumbbell-shaped profile; and
at least one reinforcement element attached to said rope sheathing and exposed at an outer surface of the rope assembly for mechanically reinforcing said rope sheathing to improve a transverse resistance of said two ropes.

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14. (Original) The rope assembly according to claim 13 wherein said at least one reinforcement element is an integral component of said rope sheathing.

15. (Original) The rope assembly according to claim 13 wherein said at least one reinforcement element has an oblong shape and extends in a lengthwise direction along said rope sheathing at said fixed link.

16. (Original) The rope assembly according to claim 13 wherein said at least one reinforcement element extends around and envelopes said the rope sheathing.

17. (Original) The rope assembly according to claim 16 wherein said at least one reinforcement element is shaped as an elongated tube.

18. (Original) The rope assembly according to claim 16 wherein said at least one reinforcement element overlaps itself in the lengthwise direction.

19. (Previously Presented) The rope assembly according to claim 9 wherein said woven mat is interlaced in different directions.

20. (Previously Presented) The rope assembly according to claim 9 wherein said fiber mat exhibits non-directional fibers.

21. (Previously Presented) The rope assembly according to claim 9 wherein said meander-shaped hoop winding has said filaments arranged in different angles to each other.

22. (Previously Presented) A synthetic fiber rope assembly comprising:
at least two ropes each formed of synthetic fiber strands and extending generally parallel
in a lengthwise direction at a predetermined distance from each other;
a rope sheathing forming a fixed link between said at least two ropes; and
at least one reinforcement element attached to said rope sheathing and exposed at an outer
surface of the rope assembly for mechanically reinforcing said rope sheathing,
said at least one reinforcement element being formed as a strip arranged at said
fixed link.

23. (Previously Presented) A synthetic fiber rope assembly comprising:
at least two ropes each formed of synthetic fiber strands and extending generally parallel
in a lengthwise direction at a predetermined distance from each other;
a rope sheathing forming a fixed link between said at least two ropes; and
at least one reinforcement element attached to said rope sheathing and exposed at an outer
surface of the rope assembly for mechanically reinforcing said rope sheathing,
said at least one reinforcement element having a plurality of positive power
transmission elements formed as one of recesses formed therein for interaction
with teeth of a toothed pulley, and teeth formed thereon for interaction with
recesses of a disk.